Elizabeth Rockey Seidle

Data Science and Machine Learning
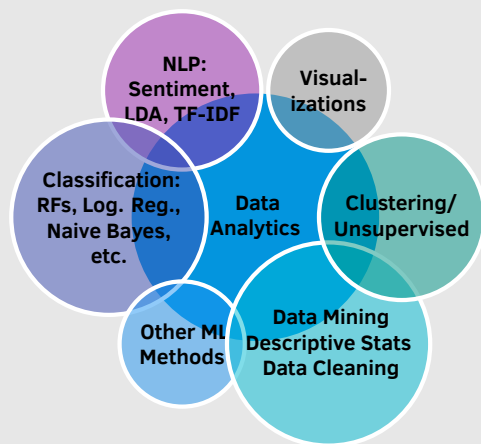
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in /in/elizabeth-seidle/

🐙 /ElizabethSeidle/Portfolio

Skills

Tools

R (Dplyr, Caret, stringr, etc.)

Python (Numpy, Pandas, NLTK, etc.)

PowerBI, DAX

SQL, NoSQL, SPSS, SAS, VBA, Gephi

Java, HTML, Docker, MongoDB, Hadoop

ggplot2, plotly, gganimate, Matplotlib

Jupyter , Collab

References

Available upon request.

Education

2019 - 2020	**Data Analytics, MPS**	**Penn State University**

Graduate Courses: Applied Statistics, Data Mining, Regression Methods, ANOVA Methods, Predictive Analytics, Applied Data Mining and Statistical Learning, Java Programming, Database Design Concepts, Large-scale Database and Warehouse, Data-Driven Decision Making, Data Collection and Cleaning, Analytics Programming in Python

2019 - 2021	**Applied Statistics, Graduate Certificate**	**Penn State University**

2010 - 2014 **Psychology, BS with honors**
Labor Studies, BS   **Schreyer Honors College, Penn State University**

Work Experience

2019 -   **Data Analytics Consultant**   **Outreach Analytics and Reporting**

- Use data analytics and statistics to evaluate student success, retention initiatives, and KPIs
- Data liaison for the Commission of Adult Learners
- Build PowerBI dashboards

2016 - 2019 **Training Grand Coordinator**   **Strategic Interdisciplinary Research Office**

- Data collection and reporting for training grant applications using institutional and national data
- Summarize and visualize data within the narrative of the proposal
- Support faculty with data and project management for large and/or strategic proposal development

2012 - 2016 **Senior Research Assistant and Study Coordinator**   **Relationship and Stress Lab**

- Study design, project management, data collection, data cleaning, and data analysis on various projects

2014 - 2015 **Research Assistant**   **Center for International Human Resources Studies**

- Data collection, data cleaning, and data analysis on CRANET study
- Presented CRANET data findings at the center's Inaugural Speakers Series seminar
- Designed and implemented survey and collected, cleaned, and analyzed data for Union-worker project

2014 - 2015 **Research Assistant**   **Cognitive Neuropsychology Lab**

- Data collection, entry and data reliability checking for a post-concussion symptom study

Conference Presentations

- Leveraging Data Visualizations to Expand Awareness Around Student Success. 2020 Poster, National Symposium on Student Retention Annual Conference

- Understanding the Name of the Game: Inside a National Science Foundation (NSF) Panel Review. 2018 Pre-Conference Workshop, National Organization of Research Development Professionals 10th Annual Conference

- Separating the Wheat: Inside a National Science Foundation (NSF) Review Panel. 2017 Conference Session, Society for Research Administrators International Annual Conference

- Men with a History of Childhood Maltreatment Who Perceive Their Wives as Threatening Perpetrate More Intimate Partner Violence. 2015 Poster, Association for Behavioral and Cognitive Therapies